Claims:

1.   A method of processing data in a system including an utility, comprising the steps of:

starting a session;

selecting a file on a local drive or by URL, wherein the file includes a name of a business object;

uploading the file including the name of a business object to a server;

storing data of the file in a database of the utility;

performing asynchronous data processing; and

downloading and saving a report after the data processing is completed.

2.   The method of processing data according to claim 1, wherein the data processing is performed by reading and validating the data, invoking a code included in the business object, and periodically displaying status.

3.   The method of processing data according to claim 2, wherein the code includes doImport/Export.

4.   The method of processing data according to claim 3, wherein the doImport/Export is a command to perform an operation.

5.   The method of processing data according to claim 2, wherein the code includes an interface to support an export operation.

6.   The method of processing data according to claim 5, wherein the interface includes a code for throwing an attribute set returned by the business object.

7.   The method of processing data according to claim 1, wherein the utility is designed to process the file on the remote server.

8.   The method of processing data according to claim 1, wherein the business object is written in Java.

9.   The method of processing data according to claim 1, wherein the session is for import and export operations.

10.   The method of processing data according to claim 1, wherein the starting of a session includes generating a unique session ID.

11.   The method of processing data according to claim 1, wherein the database of the utility includes a plurality of tables.

12.   The method of processing data according to claim 11, wherein the plurality of tables include a user name and session ID storing table, a session status storing table, an initial session data storing table, a result storing table, an error message storing table, and a session log storing table.

13.   The method of processing data according to claim 1, wherein the business object includes a code including a command which provides instance of the business object with an attribute.

14.   The method of processing data according to claim 1, wherein the business object is responsible for validation of an operation performed in the session.

15.   The method of processing data according to claim 1, wherein the business object includes a findByAttributes.

16.   The method of processing data according to claim 15, wherein the findByAttributes supports object references in the file.

17.   The method of processing data according to claim 1, wherein the business object includes a code that receives a list of validated object attributes and returns a unique object identifier.

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18.   The method of processing data according to claim 1, wherein the business object includes a code for notifying an end of the data processing.

19.   The method of processing data according to claim 1, wherein the business object includes a code including a command to perform an operation, a code including a command which provides an instance of the business object with an attribute, and a code for notifying an end of the data processing.

20.   The method of processing data according to claim 1, wherein the file uses a CSV (comma-separated values) format.

21.   The method of processing data according to claim 1, wherein the file is a text file including command lines, header lines, and data.

22.   The method of processing data according to claim 1, wherein the session is an export operation.

23.   The method of processing data according to claim 22, wherein the business object exports all of its data or part of the data.

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24.   The method of processing data according to claim 22, wherein the business

object calls an interface including a plurality of codes.

25.   The method of processing data according to claim 24, wherein the plurality of

codes include a first code including a name of operation and a business object class

name to be inserted into an output file.

26.   The method of processing data according to claim 24, wherein the plurality of

codes include onReceiveExport.

27.   The method of processing data according to claim 26, the onReceiveExport is

a code for throwing an attribute set returned by the business object.

28.   The method of processing data according to claim 1, wherein the utility is a

deliverer of information.

29.   The method of processing data according to claim 1, wherein the data is

changed without changing the business object.

30.   The method of processing data according to claim 1, wherein the utility

includes a monitoring function, an error handling function, and reporting function.

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31.   The system according to claim 1, wherein the utility receives information from another system and loads information to the business object.

32.   The system according to claim 1, wherein the utility receives information from the business object and stores information on another system.